

CLAIMS

1. A block for enabling a structure to be assembled by arranging blocks in a side-by-side fashion
5 with parts thereof fitted to each other,

wherein a base body part positioned in a central portion of the block and having upper and lower faces formed such that the upper and lower faces are flat and parallel to each other, a first protruding part
10 protruding leftward from the base body part, and a second protruding part protruding rightward from the base body part are integrally formed with the base body part,

wherein the base body part has sloping faces
15 formed from a lower end of a left lower side face of the base body part to a protrusion of the first protruding part, and from a lower end of a right lower side face of the base body part to a protrusion of the second protruding part, such that as the sloping faces
20 extend upward, the sloping faces become more distant from a central vertical axis of the block in a left-right direction, and sloping faces formed from an upper end of a left upper side face of the base body part to a protrusion of the first protruding part and from an
25 upper end of a right upper side face of the base body part to a protrusion of the second protruding part, such that as the sloping faces extend downward, the sloping faces become more distant from the central vertical axis,

wherein the first protruding part has a lower surface thereof formed by a first left-hand sloping face formed such that as the first left-hand sloping face extends leftward from the protrusion corresponding to the left lower side face of the base body part, the
35 first left-hand sloping face becomes closer to a central horizontal axis in a vertical direction of the

block, a second left-hand sloping face formed continuous with a left end of the first left-hand sloping face such that as the second left-hand sloping face extends leftward, the second left-hand sloping face becomes more distant from the central horizontal axis, and a third left-hand sloping face formed continuous with a left end of the second left-hand sloping face such that as the third left-hand sloping face extends leftward, the third left-hand sloping face becomes closer to the central horizontal axis, an upper surface thereof formed by a fourth left-hand sloping face formed such that as the fourth left-hand sloping face extends leftward from the protrusion corresponding to the left upper side face of the base body part, the fourth left-hand sloping face becomes closer to the central horizontal axis, a fifth left-hand sloping face formed continuous with a left end of the fourth left-hand sloping face such that as the fifth left-hand sloping face extends leftward, the fifth left-hand sloping face becomes more distant from the central horizontal axis, and a sixth left-hand sloping face formed continuous with a left end of the fifth left-hand sloping face such that as the sixth left-hand sloping face extends leftward, the sixth left-hand sloping face becomes closer to the central horizontal axis, and a left side surface thereof formed by a seventh left-hand sloping face formed continuous with a left end of the third left-hand sloping face such that the seventh left-hand sloping face extends parallel with the right upper side face of the base body part, and an eighth left-hand sloping face formed continuous with a left end of the sixth left-hand sloping face such that the eighth left-hand sloping face extends parallel with the right lower side face of the base body part,

wherein the second protruding part has a lower

surface thereof formed by a first right-hand sloping face formed continuous with the protrusion corresponding to the right lower side face of the base body part such that the first right-hand sloping face
5 extends parallel with the sixth left-hand sloping face, a second right-hand sloping face formed continuous with a right end of the first right-hand sloping face such that the second right-hand sloping face extends parallel with the fifth left-hand sloping face, and a
10 third right-hand sloping face formed continuous with a right end of the second right-hand sloping face such that the third right-hand sloping face extends parallel with the fourth left-hand sloping face, an upper surface thereof formed by a fourth right-hand sloping
15 face formed continuous with the protrusion corresponding to the right upper side face of the base body part such that the fourth right-hand sloping face extends parallel with the third left-hand sloping face, a fifth right-hand sloping face formed continuous with
20 a right end of the fourth right-hand sloping face such that the fifth right-hand sloping face extends parallel with the second left-hand sloping face, and a sixth right-hand sloping face formed continuous with a right end of the fifth right-hand sloping face such that the
25 sixth right-hand sloping face extends parallel with the first left-hand sloping face, and a right side surface thereof formed by a seventh right-hand sloping face formed continuous with a right end of the third right-hand sloping face such that the seventh right-hand
30 sloping face extends parallel with the left upper side face of the base body part, and an eighth right-hand sloping face formed continuous with a right end of the sixth right-hand sloping face such that the eighth right-hand sloping face extends parallel with the left
35 lower side face of the base body part,
wherein the seventh left-hand sloping face, the

lower surface of the first protruding part, the left lower side face of the base body part, the lower face of the base body part, the right lower side face of the base body part, the lower surface of the second
5 protruding part, and the seventh right-hand sloping face are each formed with a fitting groove extending in a left-right direction thereof,

wherein the eighth left-hand sloping face, the upper surface of the first protruding part, the left
10 upper side face of the base body part, the upper face of the base body part, the right upper side face of the base body part, the upper surface of the second protruding part, and the eighth right-hand sloping face are each formed with a fitting protrusion extending in
15 a left-right direction thereof and protruding therefrom,

wherein the fitting protrusion formed on the upper face of the base body part of the block is configured such that the fitting protrusion can be fitted in the fitting groove formed in the lower face
20 of the base body part of another block configured similarly to the block,

wherein the fitting protrusions formed on the eighth left-hand sloping face, the upper surface of the first protruding part, and the left upper side face of
25 the base body part, respectively, are configured such that the fitting protrusions can be fitted in the respective fitting grooves formed in the right lower side face of the base body part, the lower surface of the second protruding part, and the seventh right-hand
30 sloping face of another block configured similarly to the block, and

wherein the fitting protrusions formed on the right upper side face of the base body part, the upper surface of the second protruding part, and the eighth
35 right-hand sloping face, respectively, are configured such that the fitting protrusions can be fitted in the

respective fitting grooves formed in the seventh left-hand sloping face, the lower surface of the first protruding part, and the left lower side face of the base body part of another block configured similarly to
5 the block.

2. A block as claimed in Claim 1,
wherein a right-hand half body and a left-hand half body are formed in rotationally symmetrical
10 relationship with respect to the central vertical axis.

3. A block as claimed in Claims 1 or 2,
wherein a branch part having a same shape as a shape of a right-hand or left-hand half body of the
15 block is formed in a manner protruding from at least one of front and back surfaces of the block.

4. A block as claimed in any one of Claims 1 to 3,
20 wherein an insertion hole through which a bar-like reinforcing member can be inserted is formed vertically through the block.